

File 997023

27 June 1967  
552-552A-OD-331

## PROGRESS REPORT - 552 and 552A

For May 1967

552 #101

Several trips were made in May to complete debugging in point mark quality and laser operation reliability.

Electrical work that added additional Sola transformer and improvement of digimotor power supply was completed. At the same time, a bleeder resistor in the 90 volt DC power supply was relocated to reduce heat concentration on power supply chassis in auxiliary cabinet. Additional ventilating holes were added to laser power supply boxes to reduce their internal temperature. Windows were added in auxiliary cabinet front cover to permit viewing of laser capacitor bank voltmeters.

The left channel laser optics were aligned requiring replacement of one field lens for proper laser energy distribution. Successful point marking was found to be highly dependent on laser crystal rotation and setting of newly added dual wedge assemblies.

In addition to the above, improved film guides were installed, replacing those at center loop slot, to minimize film damage when edge imperfections are present. Other miscellaneous work done was to remove some projections that could interfere with high intensity light source at extreme carriage travel limits, and add some cable clearances in auxiliary and counter cabinets.

Declass Review by  
NIMA/DOD

27 June 1967

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System was left operational and acceptable after several days of customer checkout.

552A #102

We are waiting action on the repair proposed.

552A #103

System was accepted by customer.

552A #104

System was delivered to customer on May 22, 1967. Installation work was completed by end of May. When film drive was checked out, the power assist mode would not handle film in one of the user combinations, and in the film loop withdrawal mode. Circuit correction is being worked on and should be installed in latter part of June.

FINANCIAL REPORT

Financial Report for the month of May is enclosed.

Prepared By:

STAT

WWB:maj